

# Hand-Held Deep Cleaner

## Abstract of Disclosure

A liquid extraction cleaner comprises a solution dispensing system, a liquid recovery system, and an agitation brush assembly. The solution dispensing system includes a cleaning solution supply tank affixed to the cleaner and fluidly connected to a solution spray nozzle through a trigger-operated manual solution spray pump. The supply conduit interconnecting the cleaning fluid supply tank and the spray nozzle traverses a passage formed integrally with the air-liquid separator housing, spray nozzle being mounted in the passage at a front portion of the cleaner. The liquid recovery system includes a air-liquid separator fluidly connected with a suction nozzle and a suction source for drawing liquid and debris into the air-liquid separator, and a recovery tank releasably mounted to the air-liquid separator for collecting recovered liquid. The agitation brush assembly is mounted in a lower forward portion of the cleaner for contact with a surface being cleaned.

## Figures